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Amendment of the claims under Article 19(1) (Rule 46)

International Application No.: PCT/JP03/02755

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Applicant's or Agent's File reference: FS03-311PCT

Dear Sir,

The Applicant, who received the International Search Report relating to the above identified International Application transmitted on 06.05.03, hereby files amendment under Article 19(1) as in the attached sheet.

Claims 1, 3, 4, 12 are canceled, claims 7-10, 13 are amended and claims 2, 5, 6, 11 are retained unchanged.

Very truly yours,

Shimoda Akira

Attachment:

(1) Amendment under Article 19(1) 1 sheet

Claims

- 1. A gene having the nucleotide sequence of (1) or (2):
- (1) Nucleotide sequence of SEQ ID NO: 1.
- 5 (2) Nucleotide sequences encoding either of the following proteins,
 - (a) A protein having the amino acid sequence of SEQ ID NO: 2.
 - (b) A protein having the amino acid sequence derived from SEQ ID NO: 2, wherein one or some amino acids are deleted, substituted or added and its expression stimulates brassinosteroid biosynthesis.

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- 2. A polynucleotide having the nucleotide sequence of (1) or (2), and that of (3) or (4):
- (1) Nucleotide sequence of SEQ ID NO: 1.
- (2) Nucleotide sequences encoding either of the following proteins,
 - (a) A protein having the amino acid sequence of SEQ ID NO: 2.
- 15 (b) A protein having the amino acid of SEQ ID No: 2, wherein one or some amino acids are deleted, substituted or added and its expression stimulates brassinosteroid biosynthesis.
 - (3) Nucleotide sequence of #51 to #1625 of SEQ ID NO: 3.
 - (4) Nucleotide sequence encoding either of the following proteins,
- 20 (c) A protein having the amino acid sequence of SEQ ID NO: 4.
 - (d) A protein having the amino acid sequence of SEQ ID NO: 4, wherein one or some amino acids are deleted, substituted or added and its expression stimulates brassinosteroid biosynthesis.
- 3. A polynucleotide comprising a promoter and the gene of claim 1, wherein said gene is linked to said promoter in forward direction.
 - 4. A polynucleotide comprising a promoter and the gene of claim 1 or a part of the gene, wherein said gene or said part is linked to said promoter in reverse direction.

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5. A polynucleotide comprising a promoter and the polynucleotide of claim 2, wherein both of said nucleotide sequences are linked to said promoter in forward direction.

- 6. A polynucleotide comprising a promoter and the polynucleotide or a part of the polynucleotides of claim 2, wherein at least one of said nucleotide sequence or a part of them is linked to said promoter in reverse direction.
- 5 7. A plasmid comprising a gene or the polynucleotide according to any one of claims 1 to 6.
 - 8. A plant transformed by the gene or the polynucleotide according to any one of claims 1 to 6.
 - .9. A method for changing the morphology of a plant, comprising the steps of transforming a plant by the gene of claim 1 or by the polynucleotide of claim 2, and promoting or suppressing the expression of said gene or said polynucleotide.
- 15 10. A method for changing the morphology of a plant, comprising stimulating the promoter of the plant, which is transformed by the gene or the polynucleotide according to any of claim3 to 6.
 - 11. The plant with a morphology altered by the method of either claim 9 or 10.
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- 12. A protein of the following (a) or (b):
- (a) A protein having the amino acid of SEQ ID NO: 2.
- (b) A protein having the amino acid sequence of SEQ ID NO: 2, wherein one or some amino acids are deleted, substituted or added and its expression stimulates brassinosteroid biosynthesis.
 - 13. A mixture or a complex of the protein of claim 12 and a protein of the following(c) or (d):
- (c) A protein having the amino acid of SEQ ID NO: 4.
- 30 (d) A protein having the amino acid sequence of SEQ ID NO: 4, wherein one or some amino acids are deleted, substituted or added and its expression stimulates the biosynthesis of brassinosteroid.